

**ABSTRACT**

A tip cap is provided comprising a base portion having an upper surface and a lower surface, a body having a top wall with a non-circular cross-section extending from the upper surface, and a shaft extending from the lower surface. A syringe assembly is provided comprising a syringe comprising a barrel, and a syringe tip, extending through the barrel and a connector provided on the syringe tip. The syringe assembly further comprises a tip cap for sealingly covering the syringe tip and comprising a base portion having an upper surface and a lower surface, a body having a top wall with a non-circular cross-section extending from the upper surface, and a shaft extending from the lower surface having connection means for attaching to the syringe tip